



FORM PTO-1449

## INFORMATION DISCLOSURE CITATION

Attorney Docket:  
1232-5092Serial No.:  
10/630,012Applicant:  
Takahisa SHIOZAWAFiling Date:  
July 30, 2003Group Art Unit:  
2851

## U.S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
PZ	1	5,305,054	Apr. 19, 1994	Suzuki et al			
PZ	2	5,638,211	Jun. 10, 1997	Shiraishi			
PZ	3	6,078,380	Jun. 20, 2000	Taniguchi et al			

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Class	Sub-Class	Translation
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							<input type="checkbox"/> Yes <input type="checkbox"/> No

## OTHER DOCUMENTS (Including Author, Title, Date, etc.)


Examiner

PZ

Date Considered

1-6-05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609.  
Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to Applicant.



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8529 2851

## U.S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
Pt	1	2002/0177048 A1	11/28/2002	SAITOH, et al.	430		
Pt	2	4,682,885	07/28/1987	TORIGOE	355		

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Class	Sub-Class	Translation
Pt	1	4-78002	12/10/1992	Japan (w/ abstract)			<input type="checkbox"/> Yes <input type="checkbox"/> No
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							<input type="checkbox"/> Yes <input type="checkbox"/> No

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